

**TOP SECRET**

041-663

**TOP SECRET 220532Z****PRIORITY**

25X1

**CORONA-LANYARD****PASS TO****REF A SP 3-124****B 0515****1. AFTER DISCUSSION DURING FEB. SETD METTING WITH****HAS FURTHER EXAMINED TEST SAMPLES OF M DATA BLOCK.**

THE DATA BLOCK READER CAN BE ADJUSTED TO READ 0.6 INTERMEDIATE AND FULL PROCESSED DP AND 0.3 FULL PROCESSED DP. DIFFICULTY IS HAD WITH OTHER DP COPIES. IN ALL CASES INDEX MARK NEXT TO CAMERA NO. WAS TOO WEAK TO READ AS WAS THE NO. 4 POSITION.

**2. SAMPLE DENSITY READINGS FROM DP ARE:**

A.	0.6	PRIMARY	INTER.	FULL
	NO. 4	1.16	0.48	0.19
	NO. 19	1.00	0.12	0.08
	INDEX	1.55	1.60	0.90
	BASE	2.15	2.15	2.00
B.	0.3	PRIMARY	INTER.	FULL
	NO. 4	2.22	1.34	0.91

22 FEB 1963

HFS  
CS  
ACI  
DSB  
CFC  
FILE

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NO. 19	1.78	0.92	0.67
INDEX	2.65	2.18	2.00
BASE	2.73	2.70	2.70

C. 0.0

NO. 4	1.38	0.59	0.34
NO. 19	0.73	0.34	0.21
INDEX	1.91	1.32	0.67
BASE	2.36	2.33	2.21

## 3. AVERAGE READINGS FROM ON ARE:

BASE	0.09	0.09	0.18
INDEX	0.18	0.82	1.07
NO. 4	0.55	1.00	1.43
NO. 19	1.28	1.70	1.93
NO. 0	1.42	1.81	2.01

4. UNDER REGULAR OPERATIONS DP IS EITHER GIVEN INTERMEDIATE OR FULL DEVELOPMENT, THUS IT CAN BE SEEN THAT A MINIMUM ON DENSITY DIFFERENCE BETWEEN DOT AND BASE IS ABOUT 1.5 AND THAT A GREATER DIFFERENCE IS PREFERABLE IN CASE INTERMEDIATE PROCESSING BASED ON IMAGE FORMAT DICTATION, IS USED. NOTE THAT AT FULL PROCESSING OF ON NO. 4 POSITION DENSITY DIFFERENCE FROM BASE IS ABOUT 1.35 AND NO. 4 COULD NOT BE READ BY DBR WHILE NO. 19

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POSITION COULD BE FOR INTERMEDIATE OR FULL.

5. UNIFORMITY OF DOTS ON TEST NOT AS GOOD AS MANY OPERATIONAL IMAGES.  DESIGNING NEW DBR TO BE MORE VERSATILE IN ACCOMMODATING FLUCTUATIONS IN DOT IMAGES. BLOOMING NO PROBLEM PROVIDED DOTS DO NOT MERGE.

25X1

6. L COMMENTS SAME AS STATED REF. B. UNDERSTAND MEASURES BEING TAKEN BY SE TO REDUCE REFLECTED IMAGES APPEARING IN UNLIT POSITIONS.

7. TEST MATERIAL BEING FORWARDED VIA

25X1

T O P S E C R E T

CFN

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